

# PROGRAMMING SKILLS CERTIFICATE

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Division: Business and Computer Information Systems

PROGRAM CODE: 2C00023

The **Programming Skills Certificate** requires the completion of 10-10.5 units of which 6 units are in required classes listed below. A minimum grade of "C" is required in each course taken. At least one half of the units toward the certificate must be completed at Fullerton College.

Code	Title	Units
<b>Required Courses (7 units):</b>		
CIS 217 F	Visual Basic Programming I	4
CIS 223 F	Programming in C++	3
or CIS 226 F	Java Programming I	
<b>Restrictive Electives (3-3.5 units):</b>		<b>3-3.5</b>
CIS 212 F	Robotic Programming	3
CIS 219 F	Visual Basic Programming II	3
CIS 222 F	Computer Scripting (formerly CGI/Perl Scripting)	3
CIS 228 F	Java Programming II	4
CIS 229 F	XML Programming	3
CIS 230 F	PHP and MySQL Programming	3
<b>Total Units</b>		<b>10-10.5</b>

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